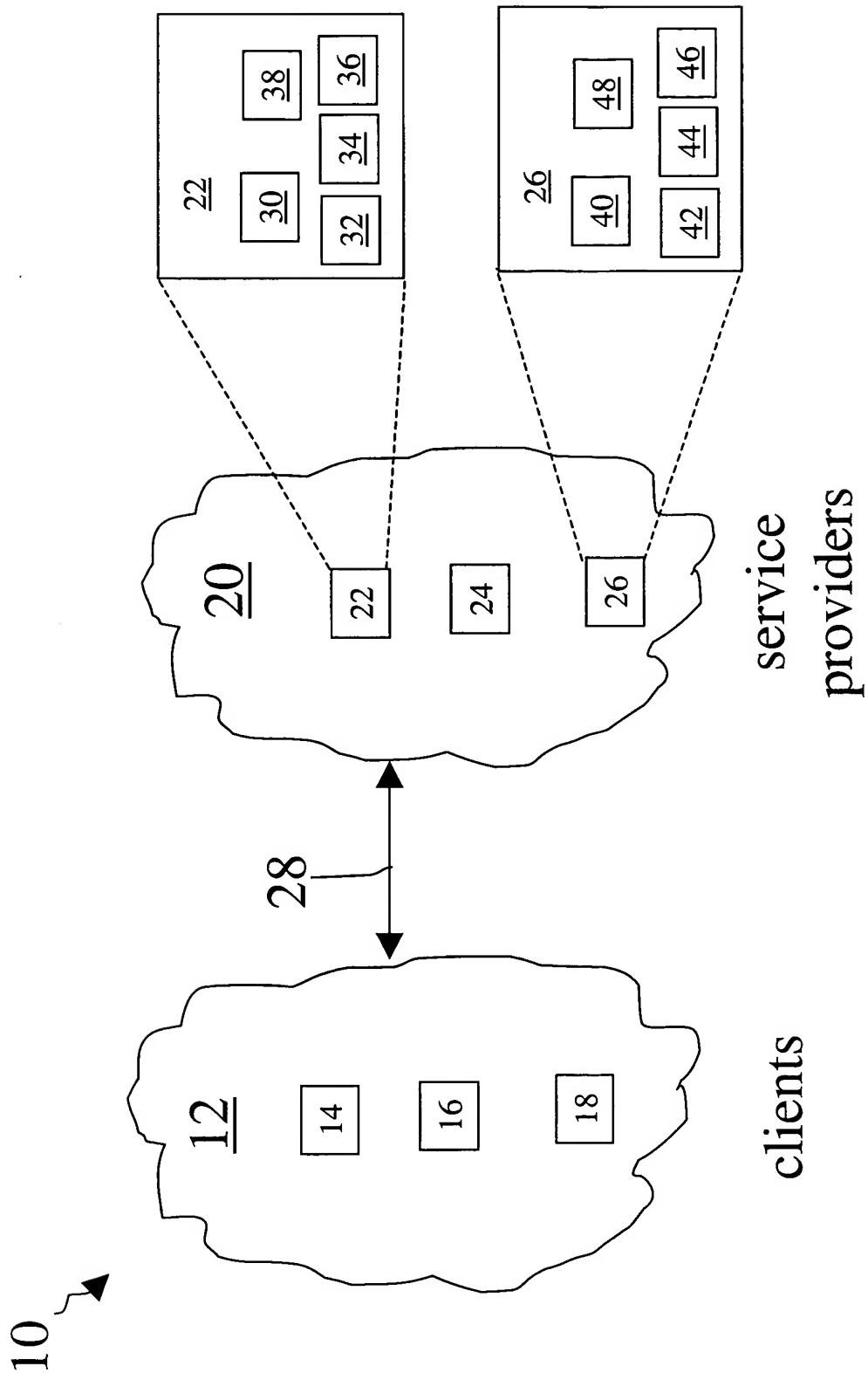
10
12
14
16
18
clients
28
20
22
24
26
service providers
22
30
32
34
36
38
26
40
42
44
46
48

FIG. 1

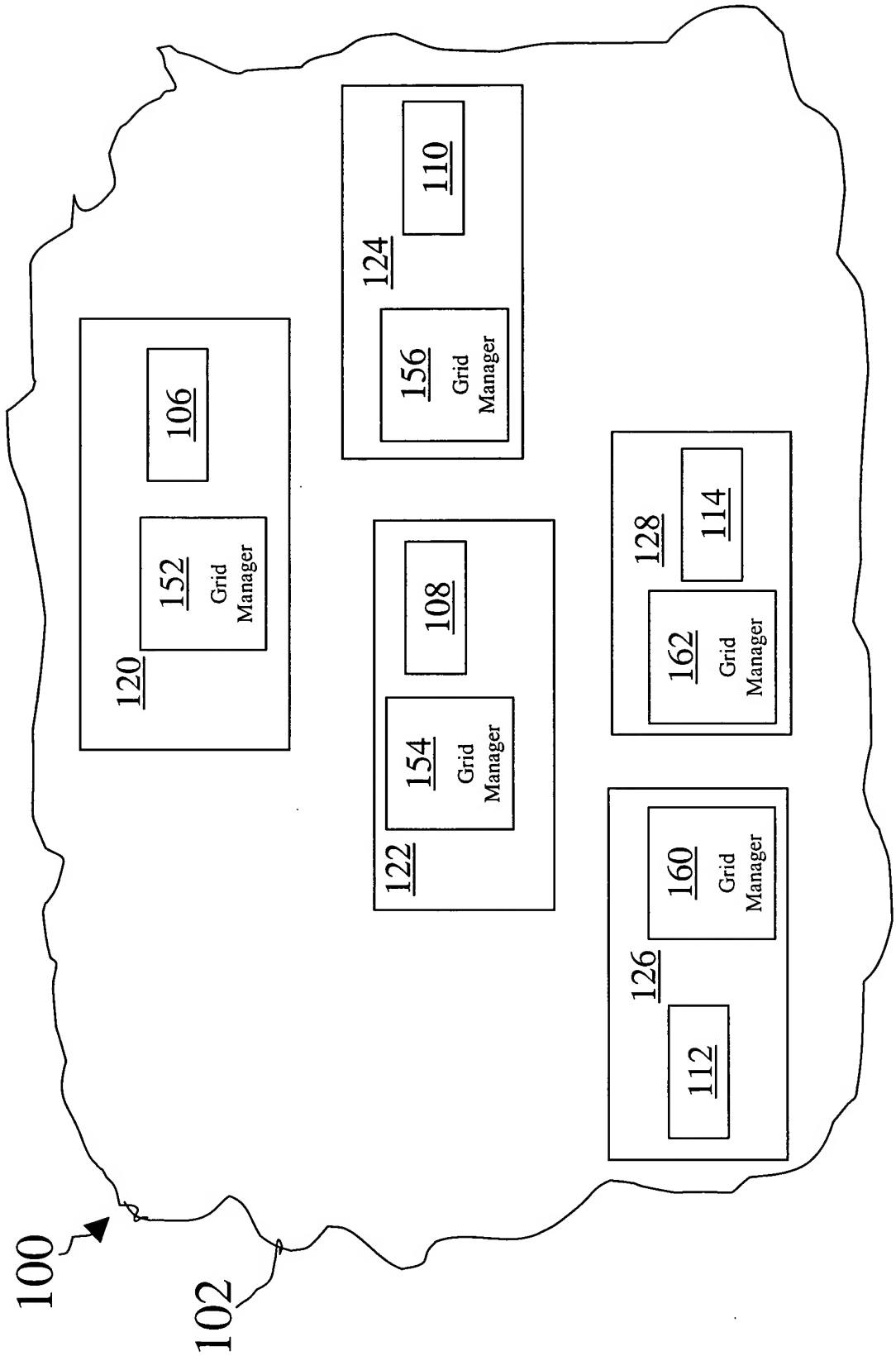
100
102
120
152
Grid Manager
106
122
154
Grid Manager
108
124
156
Grid Manager
110
126
160
Grid Manager
112
128
162
Grid Manager
114

FIG. 2

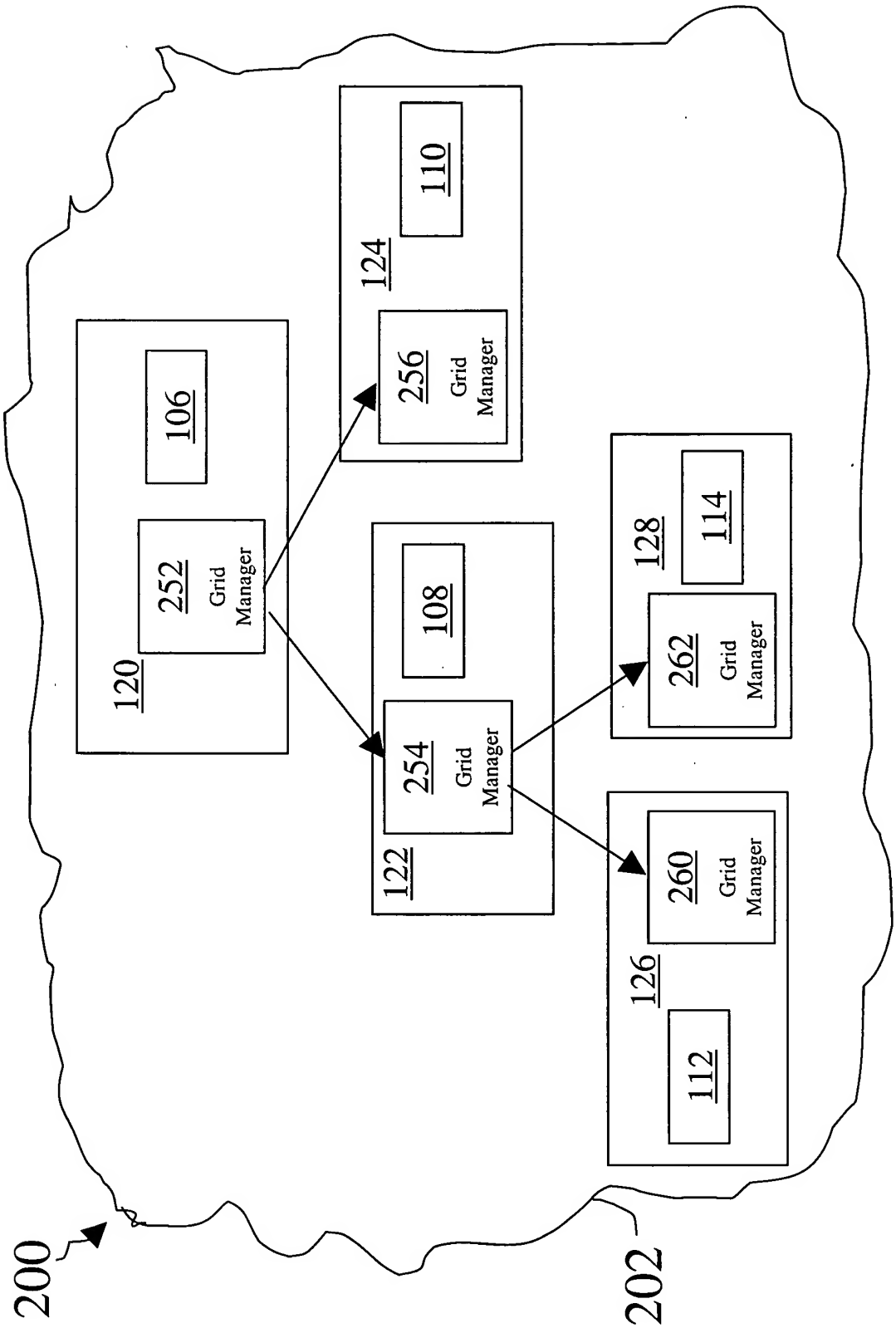
200
202
120
106
252
Grid Manager
124
110
256
Grid Manager
122
108
254
Grid Manager
128
114
262
Grid Manager
126
112
260
Grid Manager

FIG. 3

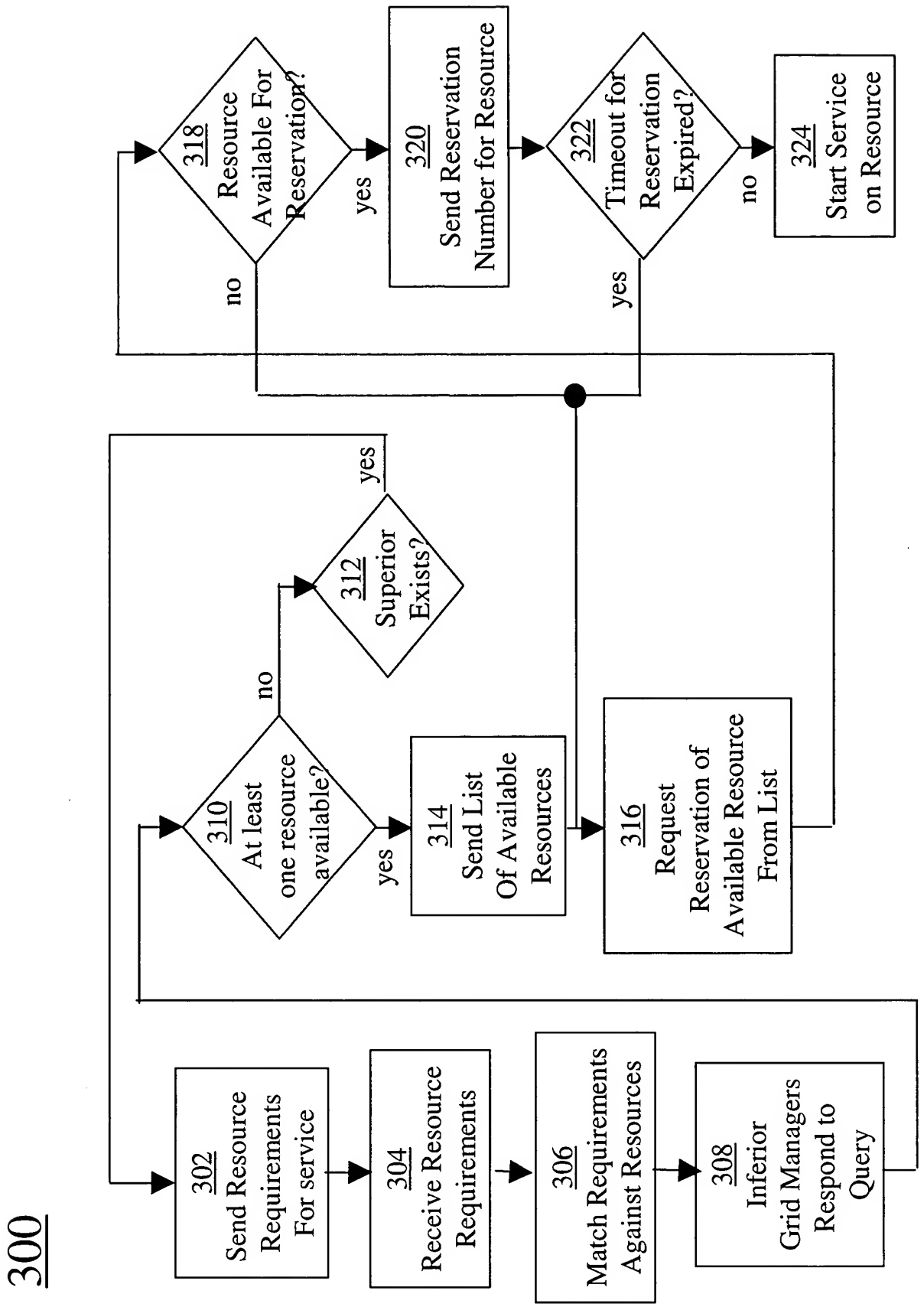
300
302 Send Resource Requirements For service
304 Receive Resource Requirements
306 Match Requirements Against Resources
308 Inferior Grid Managers Respond to Query
310 At least one resource available?
yes
no
312 Superior Exists?
yes
314 Send List Of Available Resources
316 Request Reservation of Available Resource From List
318 Resource Available For Reservation?
yes
no
320 Send Reservation Number for Resource
322 Timeout for Reservation Expired?
yes
no
324 Start Service on Resource

FIG. 4